10. The method of Claim 9, wherein the cell division inhibitor is selected from the group consisting of chloramphenicol, a protein synthesis inhibitor, an organic compound having β-lactamase inhibiting ability, nalidixic acid, promidic acid, pipemidic acid, oxolinaic acid, ofloxacin and enoxacin.

11. The method of Claim 10, wherein the protein synthesis inhibitor is selected from the group consisting of tetracycline, puromycin and erythromycin.

12. The method of Claim 10, wherein the organic compound having β-lactamase inhibiting ability is thienamycin.

13. The method of Claim 10, wherein the cell division inhibitor is nalidixic acid.

14. The method of Claim 9, wherein the concentration of the cell division inhibitor in the culture medium is 0.01 to 5 mM.

15. The method of Claim 9, wherein the bacteria are *Acetobacter*.

16. The method of Claim 15, wherein the bacteria are *Acetobacter pasteurianus* FERM BP-4176.

17. The method of Claim 9, further comprising recovering the bacterial cellulose produced in the culture medium.

18. The method of Claim 10, wherein the cell division inhibitor is chloramphenicol.

19. A bacterial cellulose which is produced by culturing cellulose-producing bacteria which produce the bacterial cellulose extracellularly in a culture medium containing a cell division inhibitor.--